



#8

52071-4.ST25.txt  
SEQUENCE LISTING

<110> Annibali, Nestor

<120> Expression of a Human Insulin Precursor In P. Pastoris

<130> 52071.4

<140> US 09/955,259

<141> 2001-09-12

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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36

<210> 2

<211> 45

<212> DNA

<213> Artificial Sequence

52071-4.ST25.txt

<220>

<223> Synthetic Primer

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<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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39

<210> 4

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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<210> 5

<211> 52

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer

<400> 5  
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<210> 6

<211> 162

<212> DNA

<213> Artificial Sequence

<220>

<223> complete synthetic insulin precursor obtained by PCR using human  
insulin sequence as original source

<400> 6  
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gaacgaggct tcttctacac acccaagacc aagcgtggca ttgtggaaca atgctgtacc 120  
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<211> 50

<212> DNA

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<223> Synthetic Primer

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<210> 8

<211> 50

<212> DNA

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Primer

&lt;400&gt; 8

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50

&lt;210&gt; 9

&lt;211&gt; 33

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Primer

&lt;400&gt; 9

acacttggtgt gggtctcact tggttgaagc ttt

33

&lt;210&gt; 10

&lt;211&gt; 66

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Primer

&lt;400&gt; 10

ttactcgagt tagttacagt agttttccaa ttggtacaaa gaacagatag aagtacaaca

60

ttgttc

66

&lt;210&gt; 11

&lt;211&gt; 36

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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<223> Synthetic Primer

<400> 11  
ccgctcgaga agagatttgt taaccaacac ttgtgt 36

<210> 12

<211> 162

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic insulin precursor, obtained by PCR using human insulin sequence as original source

<400> 12  
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gaaagagggt tcttctacac tccaaagact aagagaggta tcgttgaaca atgttggtact 120  
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<210> 13

<211> 56

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer

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<211> 68

<212> DNA

<213> Artificial Sequence

52071-4.ST25.txt

<220>

<223> Synthetic Primer

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actgctca 68

<210> 15

<211> 71

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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gtttcgtctt c 71

<210> 16

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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accttc 66

<210> 17

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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caacaaacca tt 72

<210> 18

<211> 267

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic sequence of alpha factor from *S. cerevisiae*, obtained by PCR

<400> 18

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cctgttaaca ctactactga agacgaaact gctcaaactc cagctgaagc ggttatcggt 120

tactctgact tggaagggtga cttcgacggt gctgttttgc ctttctctaa ctctactaat 180

aatggtttgt tgttcatcaa cactactatc gcttctatcg ctgctaagga agagggtggt 240

tctctcgaga agagagaggc tgaagca 267

<210> 19

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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<210> 20

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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32

<210> 21

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer

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<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 22

gtcgtggttt ctcatagtag agtggaca

28

<210> 23



<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 23  
ggtcattcact gctccatc

18

<210> 24  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 24  
agcagcacca gtggaagat

19

<210> 25  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 25  
gactggttcc aattgacaag c

21

<210> 26  
<211> 4

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<212> PRT

<213> *saccharomyces cerevisiae*

<400> 26

Lys Arg Glu Ala

1